# Further RECORDS of AUSTRALIAN OPOSSUM SHRIMPS (MYSIDACEA) 

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Since the publication of my paper on Australian Mysidacea (1) I have received a further small collection of specimens from the Sonth Australian Musemu. These inchude, finstly, two species of stirichn, collested by Mr. H. M. Hale in North Queenstand, which 1 donbtfully refer to species described by llansin from the waters of the Dutch Wast Indies. They represent additions to the Mysidacean fama of Anstratia. Secondly, there is indended a tube of Mysids collected by the late Dr. W. E. J. Paradice in Watson's Bay, Sydney Iharbom', containing several specinmen of an exceedingly interesting now species, for which a new genus is proposed. This species possesses features quite unkown in amy other Mysid, partientarly in the form of the pheopots of the mate. I am greatly indebted to Mr . Hale for this interesting material. The kuown Mysidacea of Australim waters now inchdes fourdeen species. I have to thands my wife for the drawings which illust ate this report.

## Family MYSIDAE.

## Subfamily Siriellinae.

Sirielida Dana.
shimbla velgabia hamsen (?).
Loc. Dredged in Owen Chamel, Flinders Istand, lriness Charlote Bay North Queensland, Jamarry. 1927 ( (.. 3683, coll. II. M. Hale).

Two immature females, t-5 mun. in length, were taken. They are not in good eondition, and I can find no importand differences between them and the deseription and figures of 8 oulgoris as given by Hassen in the Siboga Report. In the absence of male specimens. I record them provisionally under this mame.

[^0]Siriella inornata Hansell (!).
Loc. Dredged in Owen Chamel, Flinders Tsland. Princess Charlotte Bay, North Queensland, Jaltary, 1927 (O. 1691, coll. II. M. Jlake).

Two mates, $7-9 \mathrm{~mm}$. in kength, were sectured; one is inmature, bat the oftore appears to be completely adult. They agree sery closely with s . imornale, as described and figured he Itansen, except for a small difference in the terminal part of the exopod of the fourth pleopore of the mate. The modified seta on


Fig. es. Siricha inomata. Teminal pate of the exopod of the formth peopod of the mall( $\times 110$ ).
the penultimate joint is on the side opposite to that on which it is plated in s. inormata aceording to Hansen, and it is somewhat lourer and stouter. The shorter of the two setae on the terminal joint is also delatively longer than shown in Hansen's figure. 1 give a figure (fig. 28) of the terminal part of the exopod of the fourth pleopod of the male for comparison with Jransen's figure ( 4 ). My material is too scanty to make sure whether this difierence is constant, anel I profer, for the present, to record the specinens muder Ilansen's name.

> Subfamily Mysinac.

## Tribe ERYTHROPINI.

Austrandivinhops gem. nor.
Eyes large not depressed, pigment back. Autemel seale with the outer margin not setose, terminating in a promiment spine which projects beyom the apex of the seale; without terminal articulation. Mandibles with the incisise part and the movable lacinia well developed, motar process prominent, left mandible with the row of strong sotae short, right mandible with a row of 1 wo
(2) Himsen, Sibora Remort, xxxii, pl. 4, fig. 2g.
or three toothed spincs in the place of the stronge selase; serombly joint of the patp moderately rxpanded, terminal joint rather long mod narrow. Mursillu with the
 to the firse joint of the patpe. Merellipeds robast, sereond joint with a very con-
 limbsestender, with the sixth joint of the endoped divided ley transterse artienlations into lome subgints. In the thise thotace limb the first of these subjoints
 distal part of the lateral margins and apex intorel with mumerons chosely set shom apines no plamose selae at the allex. Inmor mopmen with a row of stout
 male: Finst par rudimentary as in the fematr, comsisting of a simple, short: unjointed phate armed with sotae; seeond and thited pairs birammes, the rami suberual in tengits; fomb and fifth pairs bimanons, with the endopod eonsiderally louger that the exopot. and with some of the terminal setade modified; the cmdopot of the fitth patr ume edongate than that of the fourth pait. Incubalery lumallue in the female, three pairs, the first pair small.

The most distinctive feallure of this new erems is the structure of the pleopods in the male. The nearest approach to the eondition in A wishaterylheops is to be fomme in the genus Ifomesichle Ormanm: but, in that gernes, the firs pleopod is not rudimentary and the endopod of the fom the peopod only "f the mate is clongated and modifiod. Sol only is the chatopod of the fifth phepod of the male: in Instralcrulhmaps chomated and modifica, but it is much lonewe than the exdepore of the fometh pair. The form of the pheopods of the wale in this getus is mpmalleled in any other erenus at the Mysidated. The eombination of the charscters of the telson, eges, intemal seake amd immer wropod will serve to distinguish Ho fanala from wher gemara of the tribu Erythropini, to which I reter this gemans.

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Carapare shom, leaving the last two thoracie smates frese anterion margin not prodneed into a rostral plate, evenly combled. and shighty uphornd in Jatoral view, the whole of the eyes and eyestaltes comphetely uncovered (fig. 29, a) ; interolateral comers romaded. Wifes large, round, not dorsoventratly flattened ol depressed, pigment black. eypatalks rather narow and monereting Sharply at right angles to the lomes axis of the body. Antemular perdurle (his. 39, b), morlerately robnst. with a well-developed setose lobe in the male.
 peduncte fonm times as lons as boad at its wides part, whont terminal artienlution, onter margin entipe and withont setale, and temminting in a strong spine Which projects beyoud the apex of the scale; antemat peduncle only about hatf
the length of the seale, the three joints subequal in length; no spine at the outer distal corner of the foint from which the seate arises. Sisth abdominal somite equal in length to the foum th and fitth combined. Trelson (fig. 30, e) shorter



 If, condoped of the maxiliped (first theracir limb) ( $\times$ 50).

Than the sixth abdominal somite. two and a quater times an long as broad it the base, linguiform in shape, entire, without cleft, narrowing slightly to a broad and evenly romded apex. The distal half of the margins of the telson are armed with about thity to thimefive short, closely set spines, those on the rounded apex rather shorter and more eventy and regudarly armaned than the
lateral oncs. There are no apical phmose setae. Imur wroporl (fig. 30, !) one and a flatere times as long as the telson, immer matern with a row of ahomit fwats-there shot sumes extonding from the statoerst rery nealy to the apex.


 the thiril thomete limb ( $\times 50$ ) ; d, sixth am seventh, joints of the moloped of the eighth



Outer wopoel one and at half times as long as the talsom. Pheopods of the mult: First pair rodimentary each consisting of a very small, single, umjointed plato armed with a few long sman (fig. 30, $g$ ). Seeond and thitd pairs biranotis, the rami cumal in length amb withont modified setme. Fonth pair (fig. 30, h) with
the endopod longer that the exopod, the last two joints earh ammerl with a sime stont, nom-phmose setas. Fitth pair (fig. .30, i) with the amdoporl considerably longere than the exonod, nealy ome and theerquater times as lome the last fow fombs rach armed with a simele stomt, simple sela, the preceding three joints with
 femmbe formed by there pains of lamellae attached to the last there thotacie limbs, tha fiast pail very small but distinctly plesent. Tha momblh perys and lhonercie limbs me best descubed by weforence to the figures. The month parts are essum-
 hatre the incisive part, the lacinin, and the molar processes wall developed. The maxillat (fig. 29, $f$ ) have a well-tereloped axoporl, a setiform lote on the second joint, and the terminal joint of the palp mot expanded. The maxillipeds (first thoracie limbs) (fig. $24, g$ ) ate moderately robust, with a prominemt andite on the second joint. The gmathoporls (semod thomeie limbs) (fig. B0, "1) are wather long and companatively seuthe, the lounth and fifth joints subegtal in lengeth, the sixth shont and atomed with a bumber of strong, short. phomose spiness and there is a welldevelopert natl. The remaining thoracice limbs (fige : 30, b) ane smmewhat stemolle. The sixth foint of the endoporl of the lonth to the eiphth

 than the subjoint. In the embonod of the third pais of thoracie limbs (fies : 3 (), r) the sisth , joint is divided into five subjoints. the first attionlation hetmen some-
 inner distal cormers of the sulojohts is moteh longer than the shlojoint,

Lenghth, of admlt males and femalos. 7 mm .

 both sexes (W. E. . T. Paradice).

7 know of no othere species of Mysid with which this interesting mow form






 the miterial mpon whioh this dexeroption is based.
 made, the berly al the mamblibe has berome somewhat displamal, with tho retalt that the spine-row is overlaid by the jueisive part.


[^0]:    (1) Tattersall, Rec. S. Aust. Mus., iii, 1907, n1, 295-957.

